



380V 6 Axis Industrial Welding Robots Flexible Robotic Welding Automation

Our Product Introduction

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: Jin Hongxiang
- Certification: CE
- Model Number: 1510
- Minimum Order Quantity: 1 set
- Price: Negotiable
- Packaging Details: Export safety wooden case
- Delivery Time: 5-10 days or negotiation
- Supply Ability: 50 Set/Sets per Month



Product Specification

- Condition: New
- Applicable Industries: Building Pipes, Process Products, Automobile Sheet Metal,
- Warranty Of Core Components: 1 Year
- Core Components: PLC, Precision Servo, Robot Body, Welding Power Supply, Control Cabinet
- Product Name: Industrial 6 Axis Arm Welding Robot
- Warranty: 1 Year
- Key Selling Points: Flexible, Stable, Durable And High Precision
- Weight (KG): 170
- Voltage: 380V
- Current: 50-60HZ
- Dimensions: 550*785*410mm
- Usage: Welding
- Advantage: High Speed Stability



Product Description

Welding robot for stainless steel products

Welding application of stainless steel products

Technical features:

The robot moves steadily, the end speed is consistent with the set welding speed, and the welding is stable and well formed;
The robot and the welding machine realize full digital communication control, so that the best welding efficiency and welding effect can be achieved;
The robot and the welding machine are fast and stable through full digital communication;
Single/double pulse welding machine, realizing low spatter welding in full current section;
Less spatter and less grinding; With short arc pulse technology, the welding speed is faster;
With high-frequency pulsating energy control, the melting depth is deeper, the heat input is lower, and the scales are more beautiful; With smooth short circuit transition technology, the weld bead is uniform and the molding is beautiful;
Wire feeding with encoder feedback is more stable and anti-interference is strong
Upgradable expert database
With position finding function
The pulse welding gun has a large heat output. When welding with a large current, a water-cooled gun is required. The 500A water-cooled hollow welding gun supports long-time high current welding;

Scope of application:

1.2mm-4mm stainless steel welding (air cooling gun)
5mm-14mm stainless steel welding (water cooling gun)

Application field:

Parts of food utensils, kitchen and toilet, auto parts, gas tanks, electric boxes, medical equipment and other industries

Performance characteristics of robot body

- The arm span is 1.5 meters. The design is highly compact and can be flexibly installed on the ground or upside down.
- With large working space, fast running speed and high repeated positioning accuracy, it is suitable for wide range of welding applications.
- The safety emergency stop board independent of the control system is equipped with, and the safety relay circuit is adopted to provide double-circuit emergency stop to ensure the reliability of emergency stop.
- The robot body adopts highly flexible special cable.
- Built-in three-phase transformer makes 380V and 220V isolated to help the power supply more stable. Built-in three-phase filter can effectively improve the performance of EMC and EMI.
- The robot body is with dual-circuit gas pipe to meet the welding demand.
- The inner diameter of 6-axis middle hole is 44mm, it can meet the installation requirements of water-cooling torch and bellows torch.
- Highly flexible welding cable is built-in.

Welding workpiece





ROBOT BODY TECHNICAL PARAMETERS

| | | |
|-------------------------------|--------|--|
| Model | | CRP-RH14-10-W |
| Arm form | | Vertical multiple joints |
| Degree of freedom | | 6 axis |
| Maximum payload | | 10KG |
| Repeated positioning accuracy | | ±0.08mm |
| Maximum reaching distance | | 1454mm |
| Robot body weight | | 170KG |
| Installation mode | | Ground,upside down mounting,wall mounting |
| Maximum travel | axis 1 | Ground/upside down mounting-167°~167°,wall mounting -30°~30° |
| | axis 2 | -155°~90° |
| | axis 3 | -175°~240° |
| | axis 4 | -190°~190° |
| | axis 5 | -105°~130° |
| | axis 6 | -105°~130° |
| Maximum axis speed | axis 1 | 169°/s |
| | axis 2 | 169°/s |
| | axis 3 | 169°/s |
| | axis 4 | 301°/S |
| | axis 5 | 220°/s |
| | axis 6 | 743°/S |

| | | |
|-----------------------------|--------|----------|
| Allowable torque | axis 4 | 20N.m |
| | axis 5 | 5 20N.m |
| | axis 6 | 11N.m |
| Allowable moment of inertia | axis 4 | 0.5kg.m2 |
| | axis 5 | 0.5kg.m2 |
| | axis 6 | 0.1kg.m2 |

corner of the warehouse



"Our purpose:

Every device, we must do better!!

reminder:

Our products are constantly upgraded and improved.
If the color or structure changes, the actual object shall prevail"



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